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IHSS 133.5

Based on the available boring logs, the subsurface lithology is summarized as follows. Approximately 24 feet of Rocky Flats Alluvium (primarily silty sand, sand and gravelly sand) exists with claystone bedrock underlying the alluvium. This IHSS is at the edge of the Rocky Flats Alluvium pediment surface.

IHSS 133.6

Based on the available boring logs, the subsurface lithology is summarized as follows. Approximately nine feet of colluvial and alluvial material (primarily gravelly and, silty sand, and silty clay) exist with claystone bedrock underlying the above materials.

IHSS 209

Based on the available boring logs, the subsurface lithology is summarized as follows. Approximately 31 feet is of colluvial and alluvial material (primarily gravelly sand, silty sand and silty clay). Claystone bedrock underlies the colluvial and alluvial material.

Surface Disturbance West of IHSS 209

Based on the available boring logs, the subsurface lithology is summarized as claystone bedrock subcropping at the surface.

Surface Disturbance South of IHSS 133

Based on the available boring logs, the subsurface lithology is summarized as follows. Approximately 26 feet is of colluvial and alluvial material (primarily gravelly sand, silty sand, and clayey sand). Claystone bedrock underlies the colluvial and alluvial material.

Summary

At Operable Unit 5, minable sand and gravel deposits that are greater than 20 feet in thickness exist along the northern edge of IHSS 115, 133.5 and 209 and the surface disturbance south of IHSS 133. However, the areal extent of these IHSSs is limited because they are on the edge of the Rocky Flats Alluvium pediment surface. Based on the limited volume of minable material available, these locations would not be amenable to mining.

If I can provide any additional information, please call me at 966-9100 or Mark Wood at 966-8784.



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Operable Unit No. 5 Closure
Environmental Restoration Program Division

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